



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION**  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Clopay Building Products Company  
8585 Duke Boulevard  
Mason, OH 45040**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Commercial Ribbed Steel Sectional Garage Door up to 14'-2" Wide**

**APPROVAL DOCUMENT:** Drawing No. 103288, titled "Commercial Ribbed Door", sheet 1 of 1, dated 11/02/2004, with revision 03 dated 01/2012, prepared by Clopay Building Products Company, signed and sealed by Mark Westerfield, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 10-0427.05 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Carlos M. Utrera*  
03/29/2012

**NOA No 12-0125.16**  
**Expiration Date: August 25, 2015**  
**Approval Date: April 5, 2012**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **103288**, titled "Commercial Ribbed Door", sheet 1 of 1, dated 11/02/2004, with revision 03 dated 01/2012, prepared by Clopay Building Products Company, signed and sealed by Mark Westerfield, P.E.

**B. TESTS *"Submitted under NOA # 05-0405.01"***

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
5) Tensile Test per ASTM E8  
Along with marked-up drawings and installation diagram of Clopay Model 524W8, 14'-2"x 8', 24 ga. Steel Garage Doors, Specimens A, B, C, prepared by American Test Lab, Inc., Test Report No. **ATLNC 1018.01-04** and addendums, dated 12/10/2004, signed and sealed by David W. Johnson, P.E.
2. Test report on Salt Spray per ASTM B117 of painted G40 galvanized coated panels, prepared by Stork Materials Technology, Test Report No. **30160-04-63365**, dated 01/26/2005, signed by John D. Lee, P.E.

**C. CALCULATIONS *"Submitted under NOA # 05-0405.01"***

1. Anchoring calculations, prepared by Clopay Building Products Company, dated 03/31/2005, signed and sealed by Mark Westerfield, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 2007 and 2010 FBC, dated 01/19/2012, signed and sealed by Mark Westerfield, P.E.  
  
*"Submitted under NOA # 10-0427.05"*
2. Statement letter of no financial interest issued by Clopay Building Products Company, dated 04/19/2010, signed and sealed by Mark Westerfield, P.E.

  
03/28/2012

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 12-0125.16

Expiration Date: August 25, 2015  
Approval Date: April 5, 2012

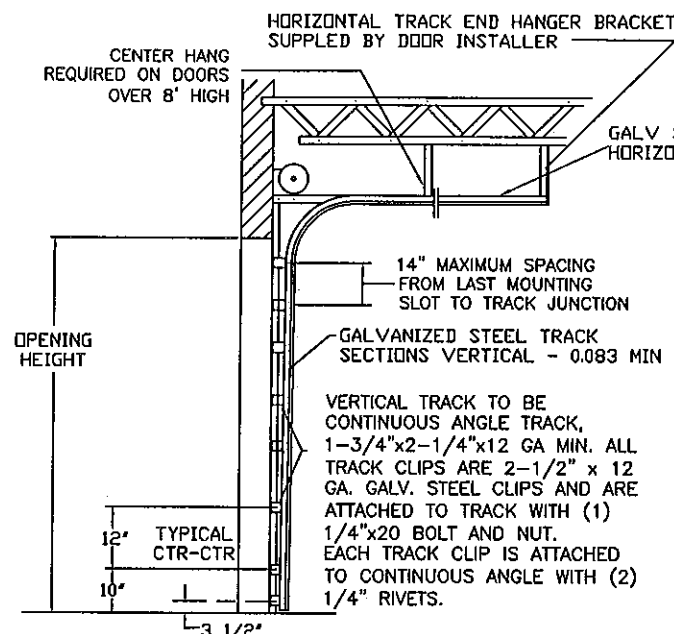
## STANDARD-LIFT TRACK DETAILS

MAX 14'-2" WIDE X 18'-0" HIGH

MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)  
MODELS 524W8, 520W8, 224W8, C4STW8, COSTW8

## REVISIONS

REV. NO.	ZONE	DATE	ECN NO.	APPVD	DESCRIPTION
03	-	01/2012	-	MW	AFFIRMED COMPLIANCE WITH 2010 FBC



SOUTHERN YELLOW PINE JAMB (2" X 6" OR LARGER) BY OTHERS

ONE 5/16" x 1-5/8" LAG SCREW SPACED AT THE SAME DISTANCES AS THE TRACK BOLTS (I.E. 3-1/2", 10", AND EVERY 12" ALSO TWO LAG SCREWS LOCATED ABOVE VERTICAL/HORIZONTAL TRACK JUNCTION.

1" OVERLAP (EACH SIDE)

OPTIONAL STOP Moulding BY DOOR INSTALLER (TO SUIT).

0.058" MIN. (16 GA.) GALV. STEEL END STILE FASTENED TO DOOR SKIN WITH TOG-L-LOC SYSTEM AS FOLLOWS: (2) AT TOP, (2) AT BOTTOM, &amp; (4) ACROSS THE FACE OF THE SECTION. END STILES MEASURE 6"x1-7/8".

0.046" MIN. (18 GA.) GALV. STEEL INTERMEDIATE STILE FASTENED TO DOOR SKIN WITH TOG-L-LOC SYSTEM AS FOLLOWS: (2) AT TOP, (2) AT BOTTOM AND (1) AT EACH MAJOR RIB. NOTE THAT 18" SECTIONS HAVE (1) MAJOR RIB; 21" AND 24" SECTIONS HAVE (2) MAJOR RIBS. INTER. STILES MEASURE 2-5/8"x1-7/8" (MIN.).

## SECTION 2 - 2

14 GA. GALV. STEEL INTERMEDIATE HINGE. (SEE VIEW "B")  
7/16" PUSHNUT INSTALLED ON ROLLER SHAFT  
14 GA. GALV. STEEL (END) HINGE. (SEE VIEW "A")  
2" LONG STEM ROLLERS (1-13/16"x7/16"x7") FEATURE (10) 1/4" DIA. STEEL BALL BEARINGS FULL FLOATING IN CASE HARDENED STEEL RACES. OPTIONAL 3" ROLLERS ARE 2-13/16"x7/16"x7-13/16".

AVAILABLE IN 3" TAPERED ANGLE TRACK (0.101" TRACK AND 0.101" X 3-1/4" X 2-3/4" ANGLE). TRACK BOLT AND LAG SCREW SPACING 3-1/2", 10" AND EVERY 12" AS NOTED ABOVE.

DOOR HEIGHT 'A'	NUMBER OF SECTIONS
8'-0"	4
8'-3" THRU 10'-0"	5
10'-3" THRU 12'-0"	6
12'-3" THRU 14'-0"	7
14'-3" THRU 16'-0"	8
16'-3" THRU 18'-0"	9

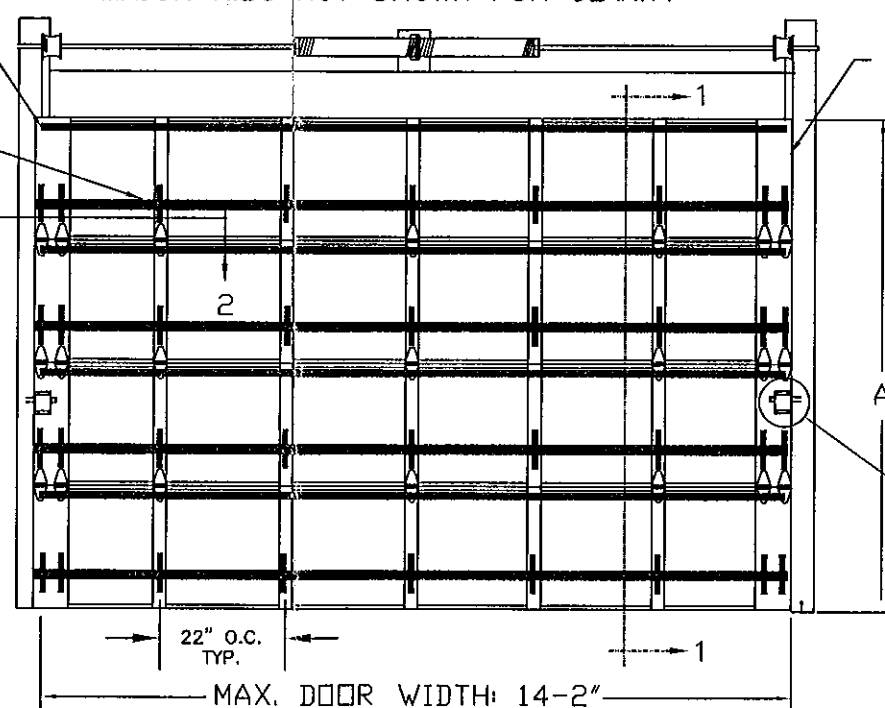
MAX. SECTION HEIGHT = 24"

U-BAR. SEE SECTION 1-1 FOR MOUNTING DETAILS AND SPECIFICATION.

C-CHANNEL. SEE SECTION 1-1 FOR MOUNTING DETAILS AND SPECIFICATIONS.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0125-16  
Expiration Date 08/25/2015  
By *[Signature]*  
Miami Trade Product Control

MAJOR RIBS NOT SHOWN FOR CLARITY



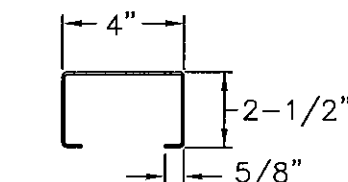
SECTIONS ARE 1-7/8" THK PANELS ROLL FORMED OF 0.0239" MIN. HOT DIPPED G-40 GALVANIZING, ROLL FORMED STEEL WITH A MIN. YIELD STRENGTH OF 52.2 KSI.

3" TALL x 20 GA. GALV. STEEL U-BAR. MIN YIELD STRENGTH 50KSI. ATTACHED ONE AT THE TOP OF EACH SECTION EACH U-BAR ATTACHED WITH (2) 1/4"x3/4" SELF TAPPING SCREWS PER STILE LOCATION.

12 GA. GALV. STEEL TOP ROLLER BRACKET (2-1/2" x 5-3/8"), INSTALLED ON DOOR WITH (4) #14 X 5/8" SMS

ONE 4" 14 GA. C-CHANNEL PER DOOR SECTION. (1) 1/4" X 3/4" SELF TAPPING SCREW PER STILE. (SEE VIEW "D")

1-1/4" WIDE X 16 GA. GALV. STRAP. (9) PER DOOR SECTION. EACH STRAP ATTACHED WITH (3) 1/4" X 3/4" SELF TAPPING SCREWS. TWO SCREWS TO DOOR, ONE SCREW TO C-CHANNEL.

4" TALL C-CHANNEL  
14 GA. GALV. STEEL  
MIN YIELD STRENGTH 50KSI

BOTTOM ROLLER BRACKET (13 GA. MIN. x 3" x 9-1/8") GALV. STEEL, FASTENED WITH (4) #14 X 5/8" SMS.

ALUMINUM EXTRUSION &amp; VINYL WEATHERSTRIP. ALUMINUM ATTACHED TO SECTION WITH #8 x 1/2" SELF TAPPING SCREWS AT 21-1/2" O.C. MAX.

DESIGN LOADS: +50 &amp; -56 P.S.F.

THIS PRODUCT CONFORMS TO THE REQUIREMENTS OF THE 2007 AND 2010 FBC.

MARK WESTERFIELD, P.E.  
FLORIDA P.E. No. 48495,

THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS IS THE RESPONSIBILITY OF THE BUILDING ENGINEER OR ARCHITECT OF RECORD.

Unless Stated Otherwise  
TOLERANCES are.0 = ±.031  
.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
Degrees = ±1/2"Unless Stated Otherwise  
DIMENSIONS ARE IN INCHES.**Clopay**  
Building Products Company8585 Duke Boulevard  
Mason, OH 45040 USA  
Tel. No. 513-770-4800  
Fax No. 513-770-4853

PART NO.: N/A

WINDLOAD RATING  
W8

DESCRIPTION: COMMERCIAL RIBBED DOOR, +50/-56 PSF DESIGN LOAD

DRAWN BY: BFA

DATE: 09/27/04

SCALE: N/A

DWG. B

CHECKED BY: MWW

DATE: 11/02/04

SHEET 1 OF 1

SIZE B

DWG. NO.: 103288

REV. NO. 03

BUILDING TYPE	FASTENER TYPE	MAXIMUM * ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?
C-90 BLOCK (HOLLOW OR GROUTED)	1/4" x 3" (1-1/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	6-1/2"	1" O.D.
3,000 PSI MIN. CONCRETE	1/4" x 4" (1-3/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	15-1/2"	1" O.D.
3,000 PSI MIN. CONCRETE	1/2" x 4" (2-1/4" EMBED) ITW RED HEAD TRUBOLT WEDGE ANCHOR (2" MIN. EDGE DISTANCE)	24"	INCLUDED
WOOD FRAME	1/2" x 4" (1-5/8" EMBED) LAG SCREW (ASTM A307, GRADE A) (2-1/2" MIN. EDGE DISTANCE)	15-1/2"	1" O.D.
2,000 PSI MIN. CONCRETE	1/2" x 4" (2-1/2" EMBED) WEJ-IT SLEEVE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	24"	INCLUDED

\* - FIRST ANCHOR/SCREW STARTING FROM BOTTOM AT NO MORE THAN HALF OF MAXIMUM ON CENTER DISTANCE. HIGHEST ANCHOR/SCREW INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING HEIGHT